Form No. 617 R/93

Dept. reviewer _____

NOC RCD Coded _____

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

NOTICE OF COMPLETION

OF PERMITTED WATER DEVELOPMENT
Field Report

INSTRUCTIONS: *Use this form to report the completion of a Permit to Appropriate Water. This form must be filed on or before the deadline date on the permit or authorized extension of time. If the project is not completed, file an Application for Extension of Time 30 days before the permit deadline date; otherwise the permit is void. For complete instructions, read "Instructions for Notice of Completion of Permitted Water Development."*

A. GENERAL INFORMATION

1. **PERMIT NO.** _____

2. Permit Owner _____
   Mailing Address _____ Telephone No. _____
   City _____ State _____ Zip _____

3. Field Examiner _____ Profession _____
   Mailing Address _____ Telephone No. _____
   City _____ State _____ Zip _____

4. Field Investigation Date _____

B. OVERLAPPING WATER RIGHTS

1. Other water rights with same place of use: Water Right Number _____
   _____

2. Other water rights with same point of diversion: Water Right Number _____
   _____

C. SOURCE OF WATER

- ❑ Well (Attach a copy of the Well Log Report)
- ❑ Developed Spring (Describe development) _____
- ❑ Lake/Reservoir Name _____ Tributary to _____
- ❑ Stream Name _____ Tributary to _____
- ❑ Unnamed Source - Tributary to _____
- ❑ Closed Basin (A closed basin results when water drains into a depression, lake, etc., from which water escapes only by evaporation.)

D. SYSTEM DESCRIPTION

1. Means of Diversion: ❑ Pump ❑ Headgate/Ditch or pipeline ❑ Dike ❑ Dam
   ❑ Pit ❑ Other (Describe) _____

2. Pump: ❑ Centrifugal ❑ Turbine ❑ Submersible

   Brand name _____ GPM Capacity _____
   Model # _____ Discharge pressure _____
   Impeller diameter _____ No. of Stages / Bowls _____
   _____ Lift (in feet) _____

   Motor: Brand Name _____ HP Rating _____
   No. of Phases _____ RPM _____
   Voltage _____ Service factor (SF) _____
   Amperage _____

   Engine: Fuel Type _____ Displacement _____
   Brand name _____ RPM _____
   HP rating _____

3. Reservoir: Attach an engineering survey, an "SCS As Built" survey, or complete the formula below with current measurements of the reservoir or pit as it was built.

Dam: Surface Area _____ (acres) X Maximum Depth _____ (at Dam) X 0.4 = _____ (feet) AC-FT (capacity)

Pit: Surface Area _____ X Maximum Depth _____ X 0.5 = _____ AC-FT

Release Other Than Spillway ❑ No ❑ Yes, (Describe type and size of any release or drainage device)

_____

4. Conveyance Facilities: ❑ Centrifugal ❑ Turbine ❑ Submersible

Describe (pipe material, size, length, top width, bottom width, depth, etc.) _____

_____

_____

5. Irrigation System:

Flood: ❑ Contour Ditch ❑ Border Dike ❑ Spreader Dike

Sprinkler:
- ❑ Handline # of Heads _____
- ❑ Wheel Line PSI _____
- ❑ Big Gun Nozzle size _____
- Nozzle type _____
- ❑ Center Pivot (attach a copy of sprinkler chart)
- ❑ Other (Describe) _____

_____

Type of Crop: ❑ Alfalfa ❑ Pasture ❑ Small grains ❑ Other _____

E. PERIOD OF APPROPRIATION

The time during the year that water is diverted, impounded, or withdrawn from the source.

_____ (month/day) to _____ (month/day)

F. POINT OF DIVERSION

IDENT NO	LOT	BLK	GOV'T LOT	1/4	1/4	1/4	SEC	TWP N/S	RGE E/W	CNTY

Subdivision Name _____

G. PLACE OF USE

For Irrigation:

ACRES	LOT	BLK	1/4	1/4	1/4	SEC	TWP N/S	RGE E/W	CNTY	(N)New/ (S)Supp.

_____ TOTAL ACRES Subdivision Name _____

For Non-Irrigation:

If the place of use is the same as the point of diversion, check. ❑

PURPOSE	GOV'T LOT	LOT	BLK	1/4	1/4	1/4	SEC	TWP N/S	RGE E/W	CNTY

Subdivision Name _____

H. FLOW MEASUREMENTS

1. Method of measurement: ❑ Meter ❑ Weir ❑ Flume ❑ Float and Stopwatch
   ❑ Other _____
2. Water Measurement Equipment Statistics:

Equipment	Type	Make	Model No.	Size

3. Measurement readings: or ❑ See Field Notes Attached.

_____
_____
_____
_____

I. VOLUME CALCULATIONS

1. Calculations for Irrigation

Crop Requirement: (Complete A and B, C, or D)

A. V_{IR} = _____ (acres) X _____ (irrigation requirement) = _____ acre-feet/yr

Actual Amount Used: (Complete B, C, or D)

B. V_{DR} = _____ (GPM) X 60 X _____ (hours/day) X _____ (days irrigated) + 325,851 = _____ acre-feet/yr

C. V_{IN} = _____ (inches/irrigation) X _____ (no. of irrigations) X _____ (acres) + 12 = _____ acre-feet/yr

D. VMT = _____ (metered volume) acre-feet/yr

Comparison: If the volume of water indicated in A above is less than or greater than the amount calculated in B, C, or D, identify any facts that would explain why. _____
_____
_____
_____

2. Calculations for Other Uses (Water Conversion Table, Form No. 615, is available at the Regional Office)

J. BENEFICIAL USE

- ❑ Domestic: Number of households _____
  from _____ (month/day) to _____ (month/day) rate _____ GPM/CFS volume _____ acre-feet
- ❑ Lawn & garden: Number of acres _____
  from _____ (month/day) to _____ (month/day) rate _____ GPM/CFS volume _____ acre-feet
- ❑ Stock: Number and type _____
  from _____ (month/day) to _____ (month/day) rate _____ GPM/CFS volume _____ acre-feet
- ❑ Irrigation: Number of acres _____
  from _____ (month/day) to _____ (month/day) rate _____ GPM/CFS volume _____ acre-feet
- ❑ Other Uses: _____
  from _____ (month/day) to _____ (month/day) rate _____ GPM/CFS volume _____ acre-feet

K. PERMIT CONDITIONS OR LIMITATIONS

Explain <u>how</u> each of the conditions of the permit have or have not been met.

_____
_____
_____
_____
_____
_____

L. MAP AND PHOTOGRAPHS

Attach a copy of aerial photo or USGS Quadrangle showing the following:

- Section Corners and Numbers
- Place of Use (stock tanks, acres irrigated)
- Location of Ditch, Pipeline, etc.
- Point of Diversion
- Township and Range Numbers
- Reservoir Location

Photographs of your diversion and the place of use will help document the completion and operation of your project. If photos are submitted, label them with the following information:

- Permit Number
- Name of photographer
- Date photo taken
- Subject of photo (point of diversion, etc.)

M. CERTIFICATION

The above information is a true statement of the extent the project was developed.

_____ _____
Date Field Examiner's Signature

SEAL

Subscribed and sworn before me this _____ day of _____, 19 ___
Notary's Signature _____
Notary for the State of _____
Residing at _____
My Commission Expires _____

N. PERMIT OWNER (sign only if the person signing the certification is not the permittee)

I have reviewed these findings and submit this Notice of Completion to the Department.

_____ _____
Date Signature

SUBMIT THE COMPLETED FORM TO YOUR WATER RESOURCES REGIONAL OFFICE LISTED IN THE INSTRUCTIONS.